# DEHUMIDIFIER

## PDEH2020

**PLEASE READ THIS USER MANUAL BEFORE OPERATING THE UNIT**

**Please note: This unit will automatically default to Laundry Mode when the temperature is 12ºC and below. The unit is automatically defaulting to the defrost function under these conditions. It is not possible to manually change to any other mode until the temperature is greater than 12ºC**

## IMPORTANT SAFETY INSTRUCTIONS

**PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE OPERATING.**

WARNING - This appliance is intended for use in a domestic environment only. Any other use is not recommended by the manufacturer and may cause fire, electrical shocks or other injury to person or property.

When using electrical appliances, basic safety precautions should always be followed:

1. This unit should always be kept in an upright position to avoid any damage to the cooling system. Locate the unit on a flat stable surface.
2. Operate this unit in an ambient temperature between 2$^{o}$C and 39$^{o}$C.
3. Ensure that the air inlets and outlets are not blocked or covered. Do not place the unit too close to curtains or other objects (minimum distance: 0.5M).
4. When the laundry mode is operated to dry clothing, please keep the clothing at a safe distance from the unit to prevent water from dropping onto the unit.
5. Never place anything on top of the unit and do not cover with any kind of material while in use.
6. This product is intended for domestic and light office use ONLY and not for commercial, industrial or outside use.
7. To protect against electrical shocks, do not immerse unit, plug or cord in water, or spray with liquids.
8. Do not operate the unit with a damaged cord or plug, after it malfunctions or has been dropped or damaged in any way. Return to an authorised service facility for examination and repair.
9. Never unplug the unit without switching off first, as this could damage the electronic circuits in the unit.
10. Always empty the water tank before storing the unit away.
11. Always unplug the unit when not in use or moving location. To disconnect from the power supply, grip the plug and pull from the power socket. Never pull by the cord.
12. Close supervision is necessary when any appliance is used by or near children and pets.
13. Do not run power cord under carpeting, or cover with rugs or runners. Arrange the cord away from areas where it may be tripped over
14. Never operate or store the unit in direct sunlight.
15. To repair the unit take it to a qualified service engineer. Repairs carried out by unqualified people may cause damage to the unit or injury to persons or property and void the warranty.
16. Where possible avoid the use of an extension cable as they may overheat and cause a risk of fire. Only use an extension cord after ensuring it is in perfect condition.
17. Do not use the unit without the AIR FILTER.
18. Check the household voltage to ensure it matches the units rated specification before operating.

# SAVE AND READ THESE IMPORTANT SAFETY INSTRUCTIONS

# BS Plug Wiring

**Wiring Instructions: Should it be necessary to change the plug please note the wires in the mains lead are coloured in accordance with the following code:**

**BLUE - NEUTRAL**
**BROWN - LIVE**
**GREEN AND YELLOW - EARTH**

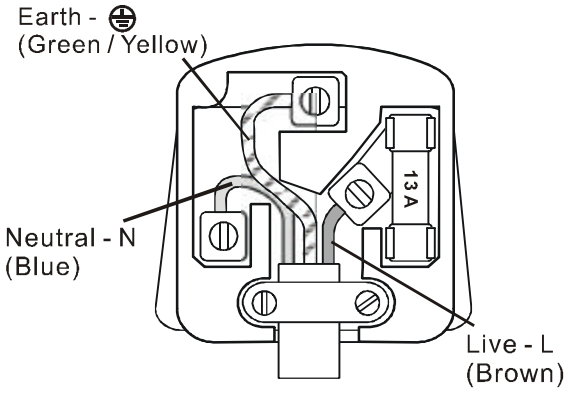
As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

1. The **BLUE** wire is the **NEUTRAL** and must be connected to the terminal which is marked with the letter **N** or coloured **BLACK**.
2. The **BROWN** wire is the **LIVE** and must be connected to the terminal which is marked with the letter **L** or coloured **RED.**
3. The **GREEN/YELLOW** is the **EARTH** and must be connected to the terminal which is marked with the letter **E** or ⏚ or coloured **GREEN OR GREEN/YELLOW**.
4. Always ensure that the cord grip is positioned and fastened correctly.

If a **13A (BS 1363)** fused plug is used it must be fitted with a **13A** fuse. If in doubt consult a qualified electrician.

### Wiring for a 13 Amp Plug (BS1363)

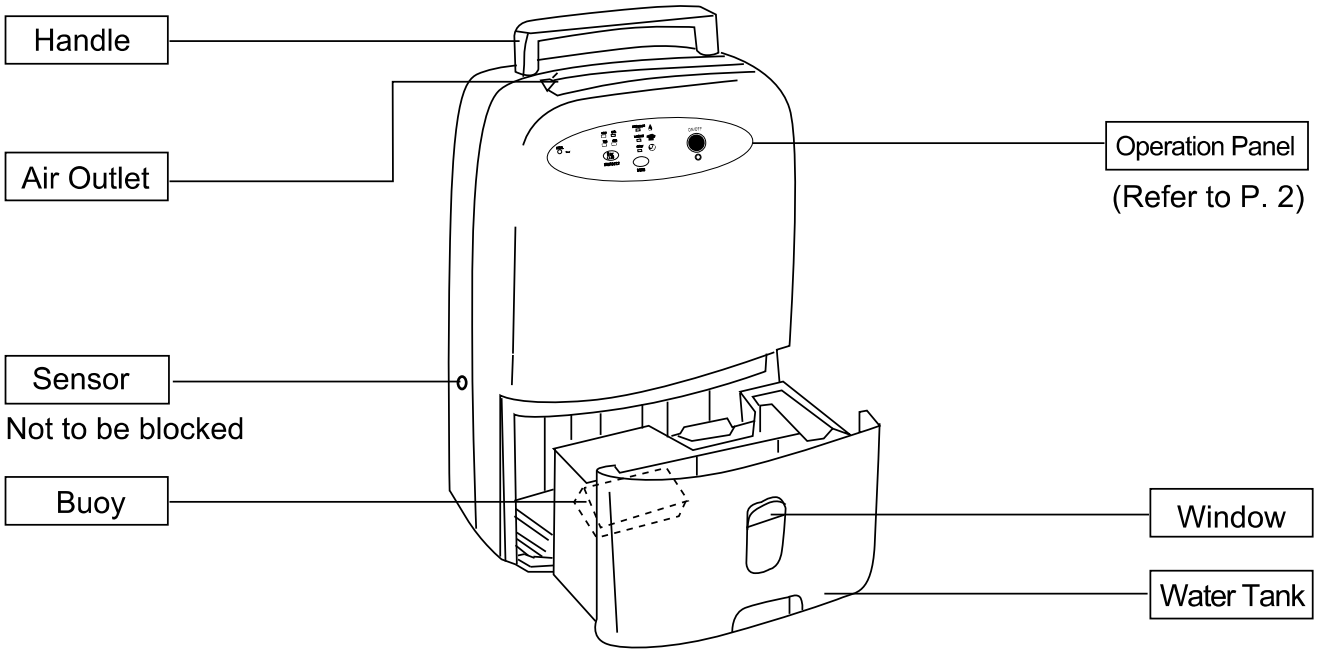
Please note. The Earth Terminal is marked with the letter **E** or Earth Symbol ⏚.



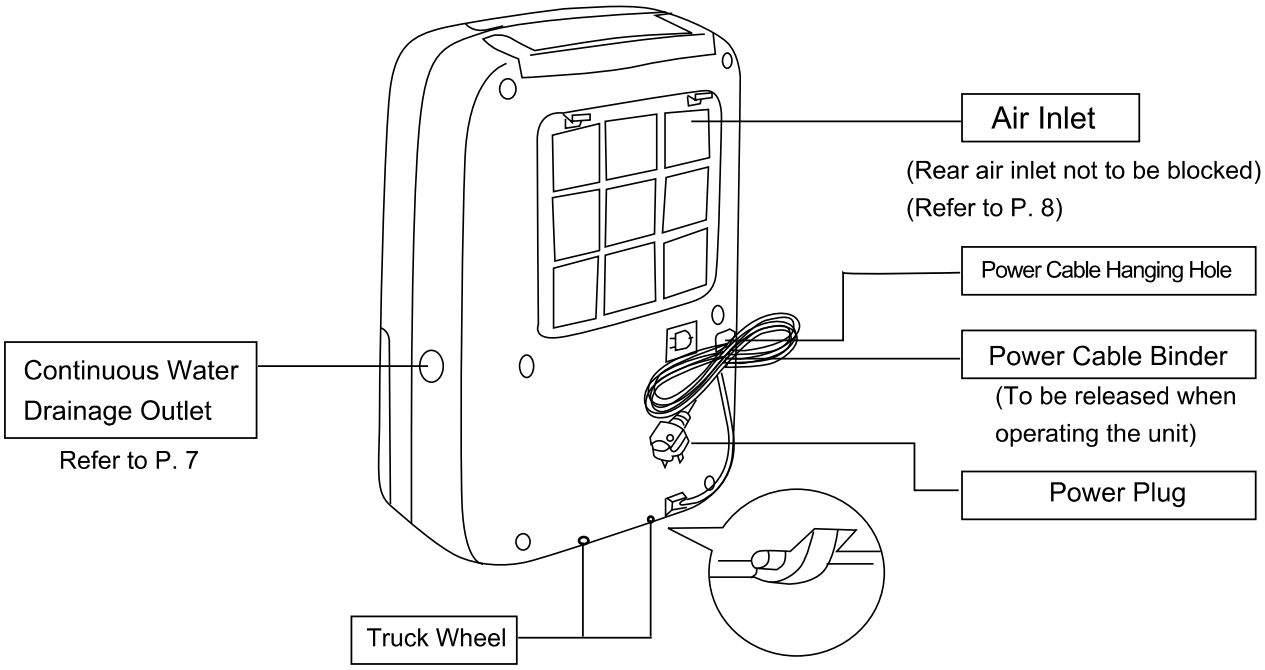

**If the supply cord is damaged it must be replaced by the manufacturer or an authorised service centre in order to avoid a hazard.**

## PARTS DESCRIPTION

## ● Front Panel

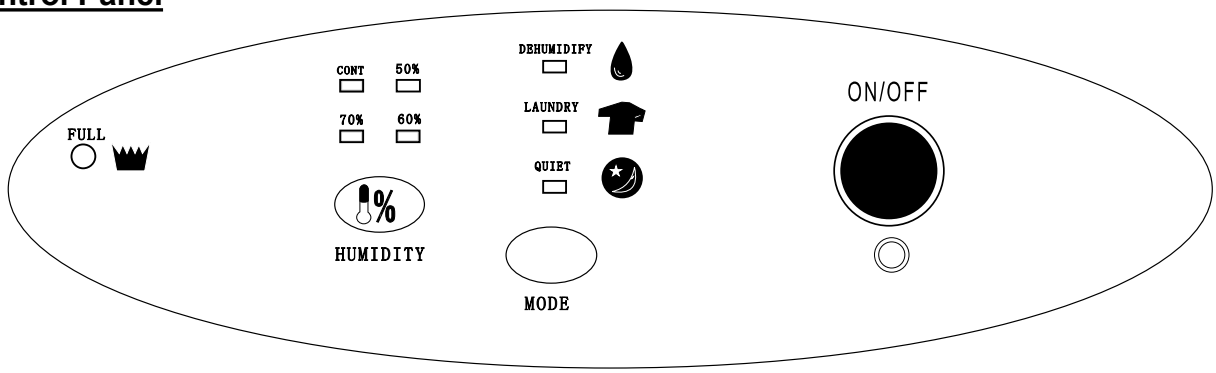



## ● Rear Panel



## OPERATING INSTRUCTIONS

## Control Panel




## Control Panel Lights

**Full: Water Tank Full**
When this light flashes, it indicates that the water tank is full or the water tank is installed incorrectly. Pull out the tank and empty if it is full or reinstall if it has been installed incorrectly.

**ON/OFF: Power Indication Light**
When power to the unit is turned on, the light under ON/OFF will illuminate.

**Mode Lights:**
Indicates mode of operation: Dehumidify, Laundry or Quiet mode. (Basically, 'modes' are fan speeds)

**Humidity Indication Lights:**
The indication lights 50%, 60% and 70% will each be illuminated when the corresponding relative humidity (RH) percentage has been selected, by pressing the humidity button.

**Continuous Dehumidifying Indication Light:**
When this light is illuminated, the continuous setting has been selected using the humidity button.

| Humidity Indication Light | Range of RH |
|---|---|
| 50% | Less than 60% |
| 60% | 60% and over, but less than 70% |
| 70% | Over 70% |

## Button Functions

1. **ON/OFF Button:**
   In standby mode, pressing the ON/OFF button will start the unit and pressing the button again, will switch off the unit.

2. **MODE Button:**
   When the **MODE** button is pressed the unit will select the operational mode in the cycle Dehumidification – Laundry – Quiet. The corresponding indication light will be on.

3. **HUMIDITY Button:**
   The humidity in the room can be automatically set when this function is selected. There are four choices: 50%, 60%, 70% and Continuous. The corresponding indication light will be on to show the selected humidity.

   When the unit is turned on, Continuous Dehumidifying is selected automatically. In this mode, the unit will automatically switch off when the water tank is full or the power is turned off.

   If one of the other selections is made then when the ambient humidity is lower than the set RH, the unit will automatically stop operating.

## HOW TO USE YOUR DEHUMIDIFIER

**Operational Procedures:**

### 1. Connect the power

Insert the mains plug into the power socket.

When the power is properly connected, the power indication light will illuminate.

### 2. Open the air outlet manually

Before you turn the dehumidifier on, you must make sure that the air outlet is open.
Adjust the air outlet to the angle you want (six different angles are available).

### 3. Change the operational mode

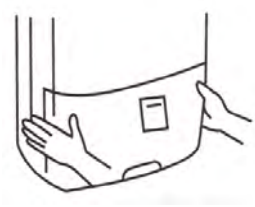
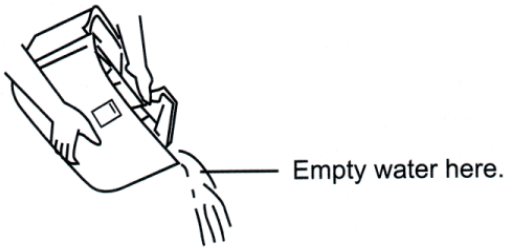
Press the **ON/OFF** button and the unit will automatically start in continuous dehumidifying mode.
**DEHUMIDIFIER** Mode: Press the **MODE** button until the indication light for this mode is lit. The unit will start dehumidifying and the air outlet volume will be at the “moderate” level.
**LAUNDRY** Mode: Press the **MODE** button until the indication light for this mode is lit. The unit will start operation in the laundry mode and the air outlet volume will be at “high” level, which is suitable for high dehumidification or drying clothes or other articles.
**(When the ambient temperature is below 12ºC a protection device in your dehumidifier will operate. This engages the electronic defrost program. The unit will now only operate in the Laundry mode with the fan speed at high level. The compressor will operate intermittently by switching on for 40 minutes and switching off for 10 minutes. The mode cannot be changed until the ambient temperature rises above 12ºC. When the temperature is above 35ºC this program will also come into operation to protect the compressor from overheating).**
**QUIET** Mode: Press the **MODE** button until the indication light for this mode is lit. The unit will start operation in quiet mode, and the air outlet volume will be at “low” level, which reduces the noise of your dehumidifier.
(In high temperature and humidity conditions this mode should not be used.)

### 4. Switch Off

While your Dehumidifier is turned ON, press the ON/OFF button. The dehumidifier will stop operating.
NEVER unplug your Dehumidifier without first switching it OFF at the control Panel.

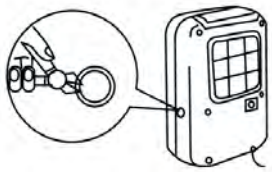
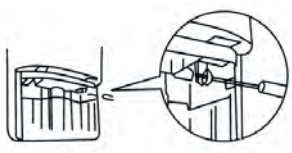
## EMPTY WATER TANK

**Water tank is full**
If the water tank is full (approx 4.6 Litres), the indication light for full tank will be lit and the unit will automatically stop operating.
**When the water tank is full, empty the water carefully.**

| Drainage Procedures | Attention |
|---|---|
| 1. Take out the water tank.<br>At the top of the water tank gently press the two sides inwards<br>  | Do not remove the float or sensor in the water tank, because the float and the sensor are used to monitor whether the water tank is full or not. Damage to the float or the sensor may make the water in the tank overflow.<br> |
| 2. Hold the handle, and pull out the water tank.<br> | If the water tank is dirty, please clean it with cold or lukewarm water. Do not use any cleaning detergents sprays or other chemicals, as they will damage the unit and cause it to leak.<br> |
| 3. Empty the water from the tank.<br>  | When the water tank is re-installed, push it back to its original position. The unit will not function when the tank is incorrectly installed.<br> |

## CONTINUOUS WATER DRAINAGE

This unit is equipped with a water outlet for continuous drainage. Use a water tube (size 15mm). Always unplug the unit before attempting to install a drain.

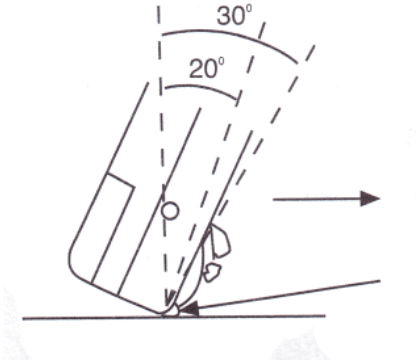
| | |
|---|---|
| 1. Take off the water tank, and open the water outlet for Continuous drainage. Use a pair of pincers or a similar tool to cut open the water outlet located at the side of the unit. |  |
| 2. Insert the drain hose into the water outlet opening. Pass the water hose (size 15mm) through the water outlet opening and firmly push it into the water outlet of the main unit. Do not block the hose. |  |

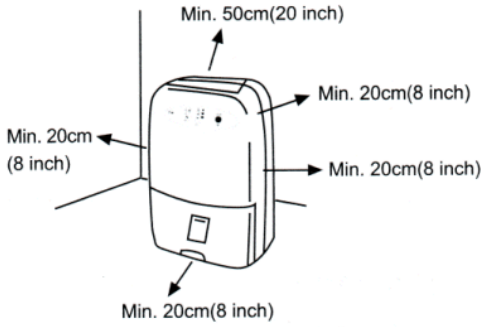
3. Place the water tank back to its original position. Make regular checks when the hose is first installed to ensure that it is properly connected and there is no blockage.

**Note: Always position the angle of the drain hose downward**

## MOVING YOUR DEHUMIDIFIER (USING THE REAR WHEELS)

Empty the water tank before moving the unit. Remember to leave adequate room for ventilation around your Dehumidifier. Lift the handle and tilt the unit so that it can be easily moved on the rear wheels. Take care when rolling your Dehumidifier across floors where the wheels may cause damage, such as thick pile carpets and wooden floors. If in doubt carry your Dehumidifier with the handle.




## MAINTENANCE AND SERVICING

**Before cleaning turn the unit off and unplug from the power supply.**

To clean the unit use a soft cloth to wipe off any dust. If the unit is very dirty use a damp cloth and wipe dry. Do not use any cleaning detergents, sprays or other chemicals, as they will damage the unit.

**Clean the air filter**
The air filter should be cleaned once every two weeks.

**1. Take off the air filter**

Press down the clips on the top of the air filter to remove the filter. There is an active carbon filter screen attached behind the air filter. Take off the active carbon screen.

**2. Clean the air filter**

Use a vacuum cleaner hose attachment to clean off the dust on the surface of the air filter. If the filter is dirty, you may use lukewarm water or a neutral detergent solution to clean it. After cleaning, thoroughly dry the filter. The active carbon screen cannot be cleaned. You may replace as required.

**3. Re-install the air filter**

Place the active carbon filter back into its original position behind the air filter. Put the clips at the bottom of the air filter into the unit and then press the air filter into position, until the clips at the top fit back into their original position.

**Store the dehumidifier in the original packaging in a ventilated dry area.**

## TROUBLE SHOOTING

| PROBLEM | CAUSES | TROUBLE SHOOTING |
|---|---|---|
| **The unit does not turn ON** | Is the power cable disconnected? | Plug in the power cable correctly. |
| | Is the FULL indication light on? (The water tank is full, or the water tank is not correctly installed). | Empty the water from the tank and place the water tank back into its original position, or reinstall the tank into the correct position. |
| | Is the ambient temperature above 39°C or below 2°C? | The built-in protective device is in action. To avoid damage to the unit under unfavourable your dehumidifier is unable to be switched on. Do not use the dehumidifier in such circumstances. |
| **The dehumidification is not functioning.** | Is the air filter blocked? | Clean the air filter. |
| | Is the air outlet blocked? | Remove the blocking substance from the air outlet . |
| **No air is discharged from the unit.** | Is the air filter blocked? | Clean the air filter. |
| **Noisy operation** | Is the unit properly installed? Is it tilted or unstable? | Place the unit on a firm base. |
| | Is the air filter blocked? | Clean the air filter. |

**PLEASE NOTE THE FOLLOWING:**

| | |
|---|---|
| Unit is in Laundry Mode and will not manually change to any other Mode. | When the ambient temperature is below 12°C a protection device in your dehumidifier will operate. This engages the electronic defrost program. The unit will now only operate in the Laundry mode with the fan speed at high level. The compressor will operate intermittently by switching on for 40 minutes and switching off for 10 minutes. The mode cannot be changed until the ambient temperature rises above 12°C. When the temperature is above 35°C this program will also come into operation to protect the compressor from overheating. |

| | |
|---|---|
| The fan motor runs but the compressor is not activated. | If the unit is switched on within 3 minutes after the power is turned off, the protective device of the unit will operate. The compressor will be automatically re-activated after a 3 minute delay. |

## SPECIFICATIONS

Power: 420W
Voltage: 220-240V ~ 50HZ
N.W: 14.2kg
G.W: 16.0kg

## SERVICE & WARRANTY

Do not operate the unit with a damaged cord or plug, after the unit malfunctions, has been dropped or damaged.

For your convenience, record the complete model number and product name (located on the Product Identification Plate), the date you purchased the product, and attach your purchase receipt as proof of purchase.

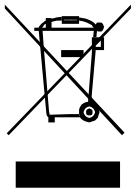
To ensure your product is covered by warranty, the complete faulty product together with your purchase receipt should be returned to your retailer.

**ONE (1) YEAR LIMITED WARRANTY**
**Save This Warranty Information**

EHS (International) Ltd. Guarantees this product free from defects in materials and workmanship for a period of one (1) year.

Should this unit be operated under conditions other than those recommended, at voltages other than the voltage indicated on the unit, or any attempts made to service or modify the unit, will render this **WARRANTY VOID**. The product you buy may sometimes differ slightly from illustration. This warranty is in addition to, and does not affect, your statutory rights

Should you have a problem with this product, please call our Help Desk on:
(0870) 742 5021



This product has been manufactured to comply with the EEC Directives 73/23/EEC and 89/336/EEC

**EHS, Manchester, M17 1RN**